

GENERAL NOTES

1. These drawings have been prepared primarily to safeguard against major structural damage and loss of life, not to limit damage or maintain function-as per requirements of the current accepted building code as listed in the Basis for Design.
2. An experienced licensed contractor with a working knowledge of applicable codes and industry accepted standard practices shall perform the work depicted in these drawings.
3. All work shall conform to the minimum standards of the current governing building code and industry specific specifications and standards. The contractor shall comply with requirements of all regulatory agencies with authority over any portion of the work. Work not explicitly shown on these drawings shall conform to all applicable codes and accepted standard practices.
4. The contractor shall verify all dimensions, elevations and conditions on these drawings with the architectural and all other discipline drawings prior to start of construction. Notify architect or EOR in writing before the start of construction regarding discrepancies, omissions or variations, or they shall become the sole responsibility of the contractor. Notes and the specific details on these drawings take precedence over general structural notes and typical details.
5. Construction methods are not indicated on these drawings. The contractor shall be solely responsible for all methods, sequences and procedures of construction. The contractor shall provide adequate shoring, bracing, formwork, etc. as required for the protection of life and property during construction.
6. Openings, pockets, etc. larger than 6 inches shall not be placed in structural members unless specifically detailed on these drawings. When drawings by others show items in structural members not shown on the structural drawings, notify the engineer in writing to determine correct disposition.
7. Site visits by the EOR are a resource for the contractor and shall not be considered as special inspections.
8. General inspection and special inspection shall be performed during construction as required by the local governing municipality.

BASIS FOR DESIGN

1. Governing Building Code: 2006 International Building Code
2. Occupancy Category: II
3. Roof Loads:
- | | |
|-----------|--|
| Dead Load | = self weight + 0.25 psf misc. dead load |
| Live Load | = 5 psf (non-reducible) |
| Snow Load | = 25 psf (minimum required snow load) |
4. Wind Design:
- | | |
|------------------------|---------------------|
| Basic Wind Speed | = 85 mph |
| Wind Exposure | = D |
| Wind Importance Factor | = 1.0 (Category II) |
| Mean Roof Height | = less than 18'-0" |
5. Seismic Design:
- Wind loads govern lateral structural design.

CONCRETE

1. Foundation design is based upon $f'_c = 2500$ PSI for all concrete in contact with the soil. Geotechnical Engineer shall provide information regarding on-site soils with sulfate exposures as per current accepted code as listed in the basis for design or as follows:

Exposure	w/c	28-day (f'_c)	Sol. Sulfate	Cement
Moderate	0.50	4000 PSI	0.1 - 0.2 II	
Severe	0.45	4500 PSI	0.2 - 2.0 V	
Very severe	0.45	4500 PSI	over 2.0 V + pozzolan	

- Minimum 28-day strength concrete placed in the field shall be (f'_c), 3000 PSI.
2. Concrete mixes shall be designed by a certified concrete testing laboratory and approved by the EOR.
3. All concrete shall be normal weight 145 PCF with hardrock aggregates.
4. Maximum slump shall be 5 inches, and the water shall be clean and potable.
5. Portland cement shall be ASTM C 150 type V for concrete in contact with soil. Type II cement may be used elsewhere. Type V plus pozzolan shall be used where concrete is in contact with soil containing very severe sulfate exposure.
6. Fly ash shall comply with ASTM C 618, class F, and shall be approved by the Architect in writing before being used on the job. When used, fly ash content shall be 15 percent to 25 percent. Water-cement ratio shall be based on total cementitious material.
7. Aggregates shall comply with ASTM C 33, use 3/4" maximum aggregate size in structural concrete, 1 1/2" maximum in slabs on grade and 3/8" pea gravel in grouts only unless specifically noted otherwise on the plans or by approval by the EOR in writing.
8. High early strength concrete may be used when requested by the contractor. Mix design data using field-cured specimens shall be submitted for review and approval.
9. No more than 90 minutes shall elapse between concrete batching and placement unless approved by the EOR in writing.
10. Concrete mixing, placement and quality shall be per the current accepted code as listed in the basis for design. Mechanically vibrate all concrete. Vibrate slabs on grade around and under floor ducts or similar elements.
11. Remove all debris from forms before placing concrete. Concrete shall be carefully placed in reinforced elements so as to avoid segregation of aggregates. Unconfined fall of concrete shall not exceed five feet unless approved by the EOR in writing.
12. Reinforcing, dowels, bolts, anchors, sleeves, embeds, etc shall be securely positioned in the forms prior to placement of the concrete.
13. Protect concrete from damage or reduced strength due to cold or hot weather in accordance with ACI 305 and 306. Contractor shall take special curing precautions to minimize shrinkage cracking of concrete slabs.
14. Pipes and electrical conduits shall not be embedded in structural concrete except where specifically approved by the EOR. Embedded items shall not impair the strength of the member.

STRUCTURAL STEEL

1. Structural steel members shall conform to the following standards and material properties, U.N.O.:
- | | |
|---------------------------------|-------------------------------|
| Standard steel shapes: | ASTM A36 (36 ksi) |
| Rolled wide flange sections: | ASTM A992 (50 ksi) |
| Bars and plates: | ASTM A36 (36 ksi) |
| Tubes and pipes: | ASTM A500 Grade B (46/42 ksi) |
| Standard pipes: | ASTM A53 Grade B (35 ksi) |
| Cold formed tubes, studs, etc.: | ASTM A653 (50 ksi) |
| High strength bolts: | ASTM A325 |
| All other bolts: | ASTM A307 |
2. Where steel beam is used in connection to wood framing, a 3x DF-L stud grade plate will be bolted to the top flange with 1/2" dia. bolts staggered at 24" o.c.
3. Structural steel shall be fabricated and erected in accordance with AISC specifications or the design fabrication and erection of structural steel buildings.
4. All welds shall be minimum 1/8" E70XX all around weld, U.N.O.
5. Welders shall be AWS certified or equivalent (WAVO). All welding shall use E70 series low hydrogen electrodes. All welding shall conform to the latest American Welding Society standards; welds on drawings are shown as shop welds. Contractor may shop weld or field weld at his discretion. All full penetration welds shall be tested and certified by an independent testing laboratory.
6. All bolts shall be installed as bearing-type connections with threads excluded from shear plane (type "x" connection), U.N.O. High-strength bolts shall be snug tightened using any AISC approved method and do not require special inspections unless noted otherwise. All bolts in slotted or oversize holes and all high-strength bolts shall be installed with washers.
7. All expansion or epoxy bolts shall have current ICBO/ICC rating for material into which installation occurs. Headed studs shall conform to all requirements of the latest edition of the "recommended practices for stud welding" and the "structural welding code" published by AWS. All bolts, anchor bolts, expansion bolts, etc. shall be installed with steel washers at face of wood.

8. Grout beneath column bases or bearing plates shall be 5000 psi minimum non-shrink flowable grout or drypack. Install grout under bearing plates before framing members are installed. At columns, install grout under base plates after column has been plumbed but prior to floor or roof installation. Grout depth shall be sufficient to allow grout or drypack to be placed beneath plate without voids.
9. Welded moment frame connections shall comply with the following requirements:
- Access holes shall be smooth and free of notches.
- Minimum preheat per AWS requirements shall be maintained for all welds including tack welds. Verify preheat with temperature indicating crayons.
- Weld material shall comply with Charpy V-Notch requirement of 20 ft-lbs at -20° F.
- End dams are not allowed.
- All weld layers shall be completed full width of flange before new layer is started.
- Maximum layer thickness equals 1/4", maximum bead width equals 5/8".
- Grind edges of weld smooth and flush with edges of abutting parts.
- Notches or grooves shall be filled and ground smooth.
10. All misc. welds not noted, including stiffeners, misc. plates, etc. shall be per AISC manual table J2.4.

Fasteners

1. Screws shall be self-tapping hex head sheet metal screws with current ICBO/ICC rating for material into which installation occurs.
2. Screws which are removed shall be replaced with a larger diameter screw where replacement is made into an existing hole. Replace all screws which strip out material.
3. Screws shall be spaced no closer than 5/8" o.c. and maintain a minimum free edge distance of 1/2", U.N.O.
4. Clip angles or flat clips used for attachment shall be a minimum of 33 mils, U.N.O. Size all clip angles and flat clips to maintain minimum screw spacing and edge distances as noted above.
5. All screws #8 and larger shall have a minimum head size of 5/16". All screws shall have sufficient length to ensure penetration into aluminum/steel by at least (2) full diameter threads.
6. All screws shall be a minimum of #8 self-tapping screws, U.N.O.
7. All anchors installed into concrete shall be Hilti KB TZ expansion anchors (ESR-1917) or Hilti HIT-RE 500-SD adhesive anchors (ESR-2322). All anchors installed into CMU shall be Hilti KB III expansion anchors (ESR-1385) or Hilti HIT-HY-150 adhesive anchors (ESR-1967). Approved equivalent anchors with current ICBO/ICC reports may be used at the contractor's discretion.
8. All bolts shall be installed as bearing-type connections with threads excluded from shear plane (type "x" connection), U.N.O. High-strength bolts shall be snug tightened using any AISC approved method and do not require special inspections unless noted otherwise. All bolts in slotted or oversize holes and all high-strength bolts shall be installed with washers.

SPECIAL INSPECTION

1. All required special inspections shall be performed in accordance with the current accepted building code. Check with the local building department for required special inspections.
2. The special inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of the local building department, for the inspection of the particular type of construction or operation requiring special inspection.
3. The special inspector shall inspect the work assigned for conformance with the approved contract drawings and specifications. The special inspector shall furnish inspection reports to the local building department, the EOR and other designated persons required by the governing building official. All discrepancies shall be brought to the immediate attention of the contractor for correction, and then if uncorrected in a reasonable period of time, the EOR and the building official shall be notified. The special inspector shall submit a final signed report stating whether the work requiring special inspection was, to the best of the inspectors knowledge, constructed in conformance with the approved plans and specifications and the applicable building code provisions.
4. Inspectors shall inspect from an approved set of contract drawings, shop drawings shall not be used in lieu of the approved contract drawings for inspection purposes.
5. Certificate of approval regarding materials and inspection of prefabricated items shall be provided in accordance with the current accepted building code.

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		#	Date
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P1.20	Left Isometric View		3/8/2012
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P2.00	Section View		3/13/2012
P3.00	Top View		3/12/2012
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P5.00	Side View		3/8/2012
P6.00	Attachment Details		3/13/2012
P6.10	Attachment Details		3/13/2012
P6.20	Attachment Details		3/13/2012

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EXPIRES: 05/25/12

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Revisions

WILLARD PARK

Sales Person

LOADING DOCK REPAIR

Job Name

ENG. NOTES

Drawing Title

161627

RI Work Order Number

IAN M

Drawn By

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Checked By / Date

MICHAEL BABBITT

Project Manager

-- / --

Issue Date / By

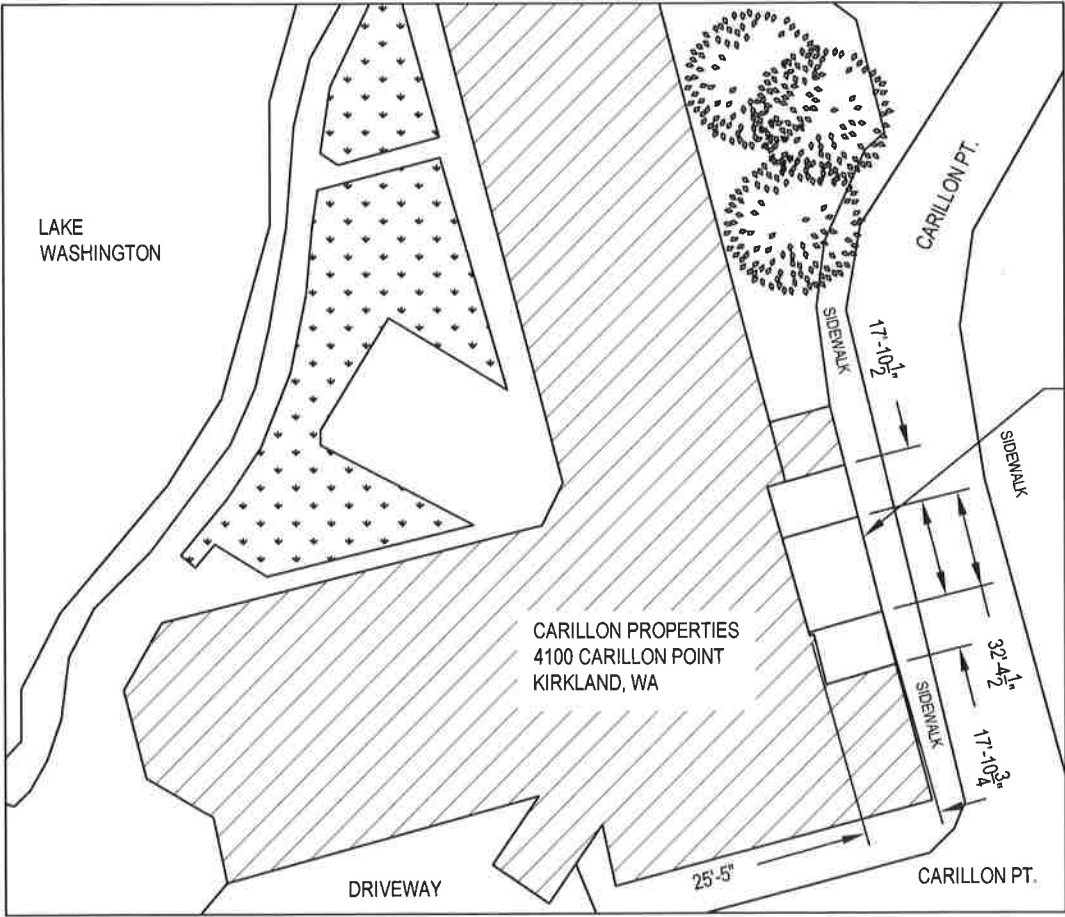
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Sheet Number

REPLACING DAMAGED
CANOPY,
ONLY CENTER SECTION

NOTICE

**HOURS OF WORK: 7AM TO 8PM MON-FRI
9AM TO 6PM SAT. NO WORK SUNDAYS &
HOLIDAYS (PER KZC SEC. 115.25)
Exceptions must be approved in
writing by Planning Official**



Site Plan (B)
Scale: 1/64" = 1'-0"

PCD APPROVED SITE PLAN

Any proposed changes to the approved site plan, such as but not limited to added hard surfaces, HVAC units, tree removals and accessory structures, must be submitted to the Building Department as a revision to the building permit for review and approval by all departments prior to implementation.



Vicinity Map (A)
Scale: NTS

Sheet Index			
Page	Description	Revision	
		#	Date
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P1.00	Full Isometric View / Scope of Work		3/8/2012
P1.10	Right Isometric View		3/8/2012
P1.20	Left Isometric View		3/8/2012
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P4.00	Front View		3/13/2012
P5.00	Side View		3/8/2012
P6.00	Attachment Details		3/13/2012
P6.10	Attachment Details		3/13/2012
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WILLARD PARK

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LOADING DOCK REPAIR

Job Name

AERIAL PHOTO

Drawing Title

167460

RI Work Order Number

IAN M

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A1.10

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WILLARD PARK

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LOADING DOCK REPAIR

Job Name

EAST ELEVATION

Drawing Title

167640

RI Work Order Number

IAN M

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MICHAEL BABBITT

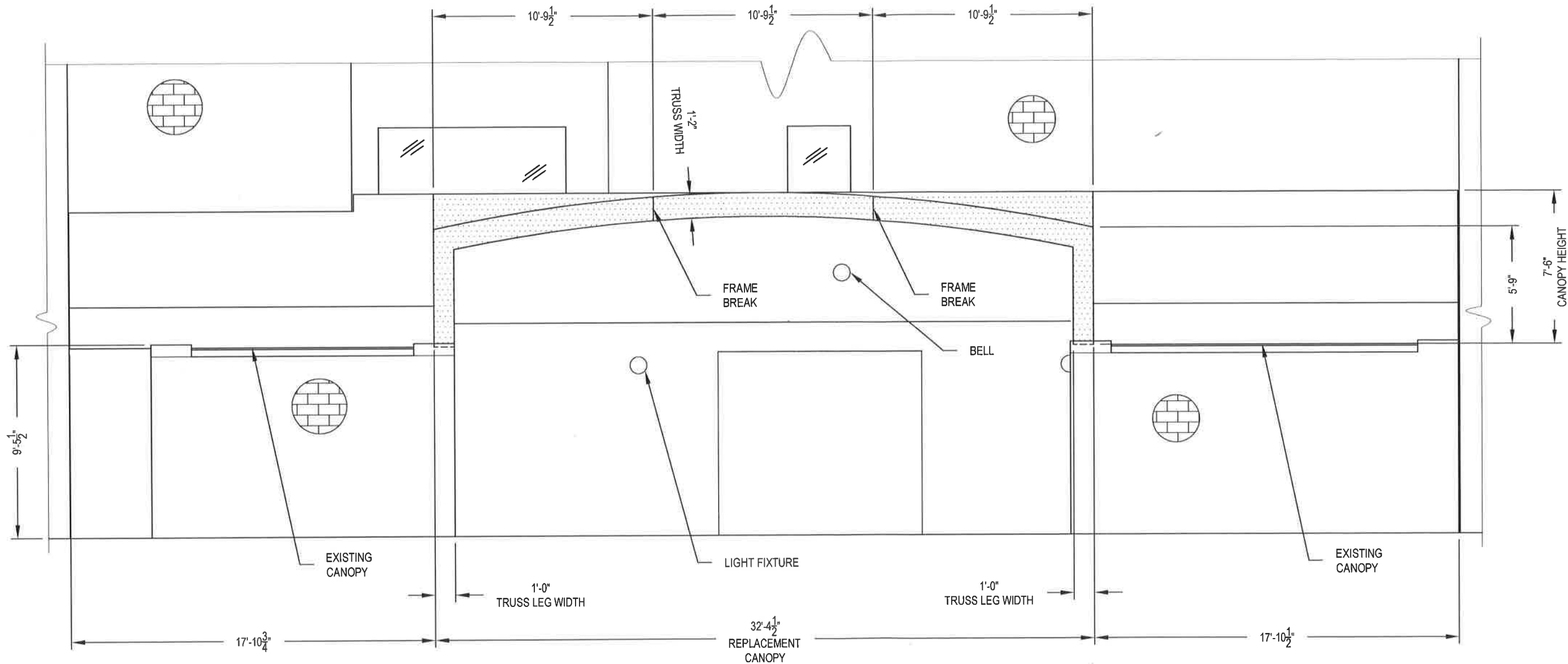
Project Manager

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A1.20

Sheet Number



East Elevation View (A)
Scale: 3/16" = 1'-0"



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LOADING DOCK REPAIR

Job Name

FULL ISOMETRIC VIEWS

Drawing Title

161627

RI Work Order Number

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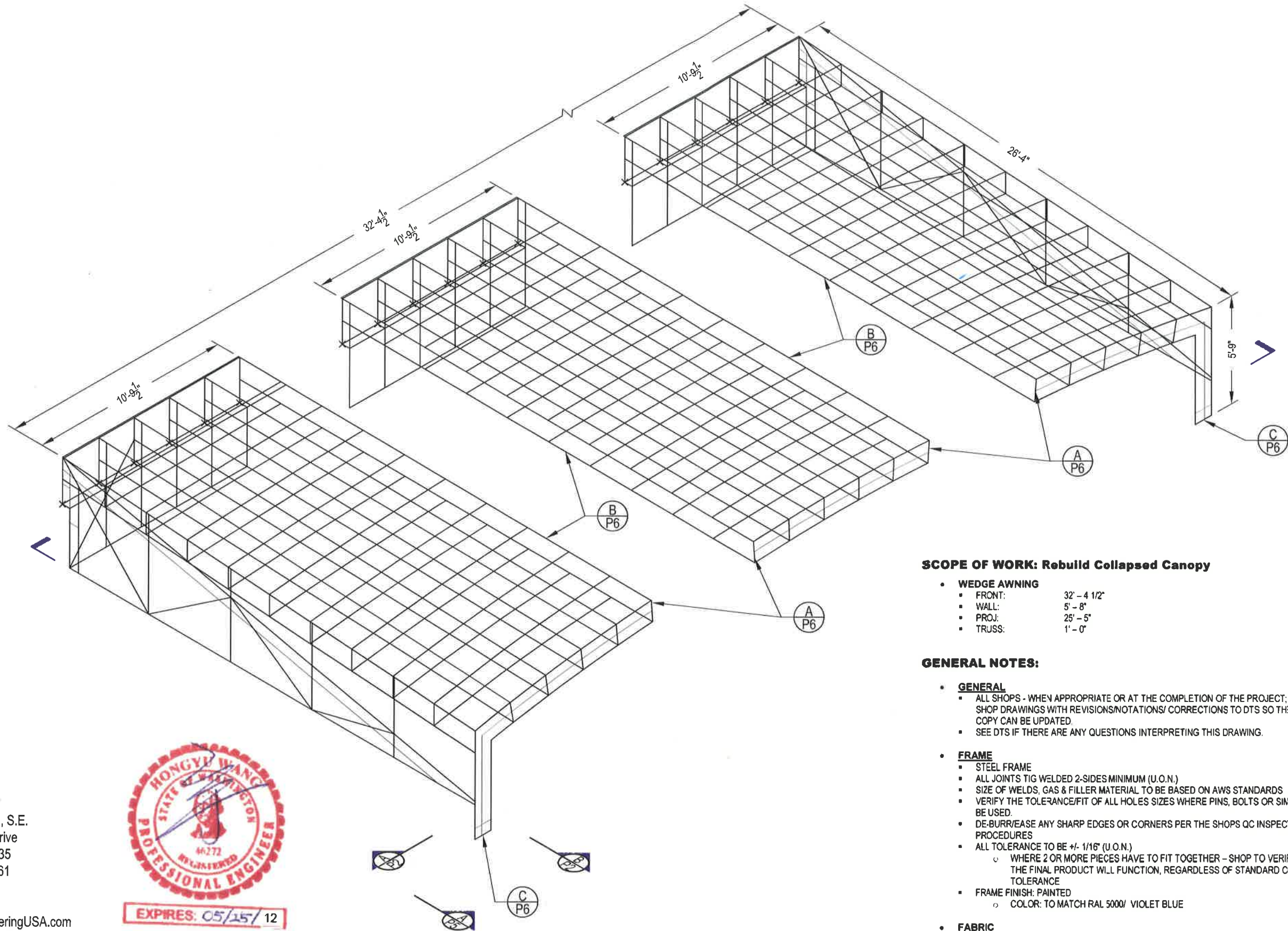
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Sheet Number



SCOPE OF WORK: Rebuild Collapsed Canopy

- **WEDGE AWNING**
 - FRONT: 32' - 4 1/2"
 - WALL: 5' - 8"
 - PROJ: 25' - 5"
 - TRUSS: 1' - 0"

GENERAL NOTES:

- **GENERAL**
 - ALL SHOPS - WHEN APPROPRIATE OR AT THE COMPLETION OF THE PROJECT: RETURN SHOP DRAWINGS WITH REVISIONS/NOTATIONS/ CORRECTIONS TO DTS SO THE MASTER COPY CAN BE UPDATED
 - SEE DTS IF THERE ARE ANY QUESTIONS INTERPRETING THIS DRAWING.
- **FRAME**
 - STEEL FRAME
 - ALL JOINTS TIG WELDED 2-SIDES MINIMUM (U.O.N.)
 - SIZE OF WELDS, GAS & FILLER MATERIAL TO BE BASED ON AWS STANDARDS
 - VERIFY THE TOLERANCE/FIT OF ALL HOLES SIZES WHERE PINS, BOLTS OR SIMILAR WILL BE USED.
 - DE-BURR/EASE ANY SHARP EDGES OR CORNERS PER THE SHOPS QC INSPECTION PROCEDURES
 - ALL TOLERANCE TO BE +/- 1/16" (U.O.N.)
 - WHERE 2 OR MORE PIECES HAVE TO FIT TOGETHER - SHOP TO VERIFY THAT THE FINAL PRODUCT WILL FUNCTION, REGARDLESS OF STANDARD OR NOTED TOLERANCE
 - FRAME FINISH: PAINTED
 - COLOR: TO MATCH RAL 5000/ VIOLET BLUE
- **FABRIC**
 - FABRIC: WEBLON VANGAURD
 - #2946 / OCEAN BLUE
 - FABRIC ATTACHMENT: LACE & C-TRACK
- **INSTALL**
 - CRANE WILL BE ON SITE FOR REMOVAL AND INSTALLATION OF AWNINGS
 - TRAFFIC CONTROL INCLUDED IN PRICE

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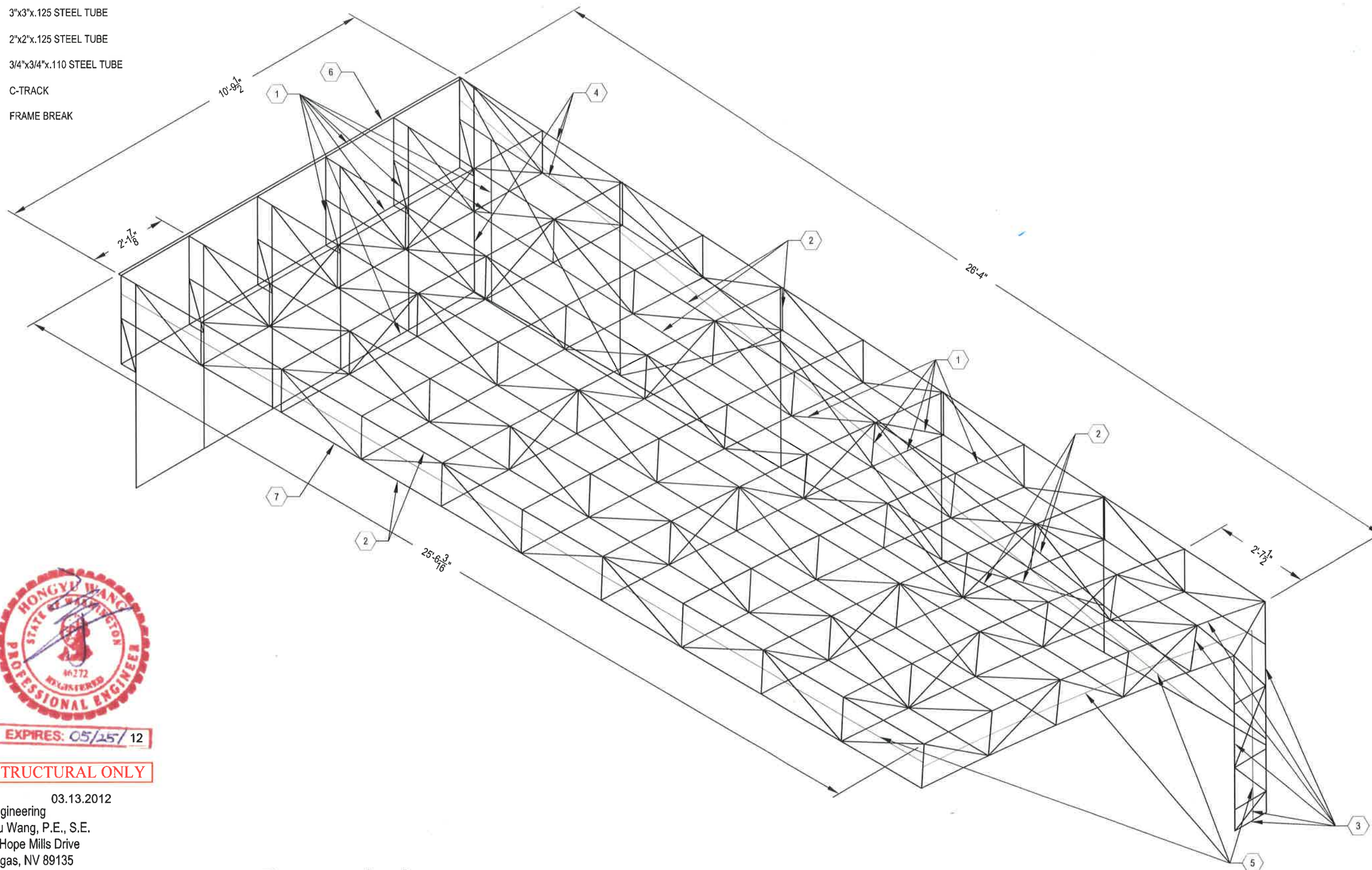
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Isometric View
Scale: 3/16" = 1'-0"

- 1 1"x1"x.110 STEEL TUBE
- 2 1"x2"x.125 STEEL TUBE
- 3 3"x3"x.125 STEEL TUBE
- 4 2"x2"x.125 STEEL TUBE
- 5 3/4"x3/4"x.110 STEEL TUBE
- 6 C-TRACK
- 7 FRAME BREAK



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Right Section Isometric View

Scale: 3/8" = 1'-0"

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Revisions

WILLARD PARK

Sales Person

LOADING DOCK REPAIR

Job Name

RIGHT ISO. VIEW

Drawing Title

161627

Ri Work Order Number

IAN M

Drawn By

-- / --

Checked By / Date

MICHAEL BABBITT

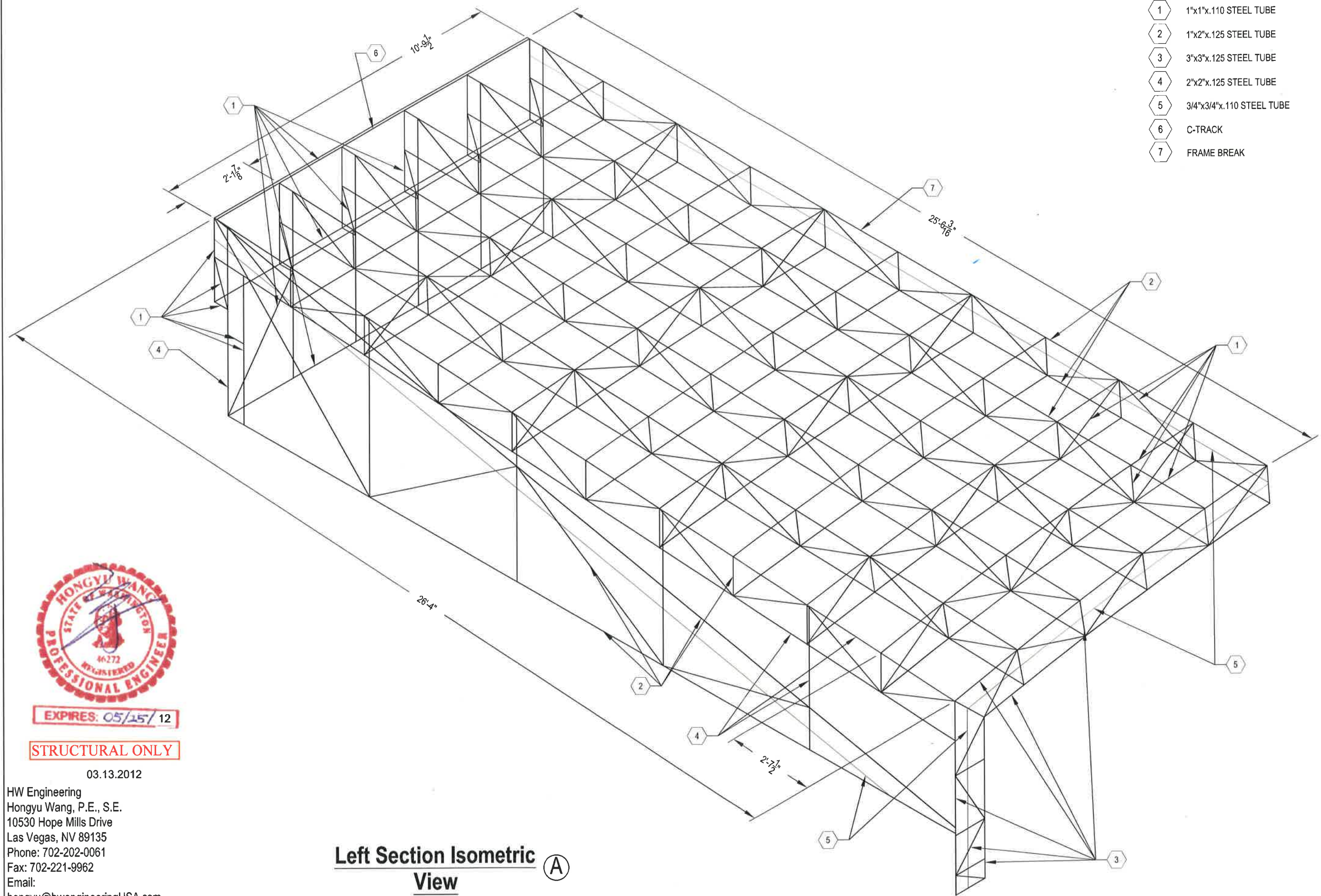
Project Manager

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P1.10

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- 1 1"x1"x.110 STEEL TUBE
- 2 1"x2"x.125 STEEL TUBE
- 3 3"x3"x.125 STEEL TUBE
- 4 2"x2"x.125 STEEL TUBE
- 5 3/4"x3/4"x.110 STEEL TUBE
- 6 C-TRACK
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Left Section Isometric
View **(A)**
 Scale: 3/8" = 1'-0"



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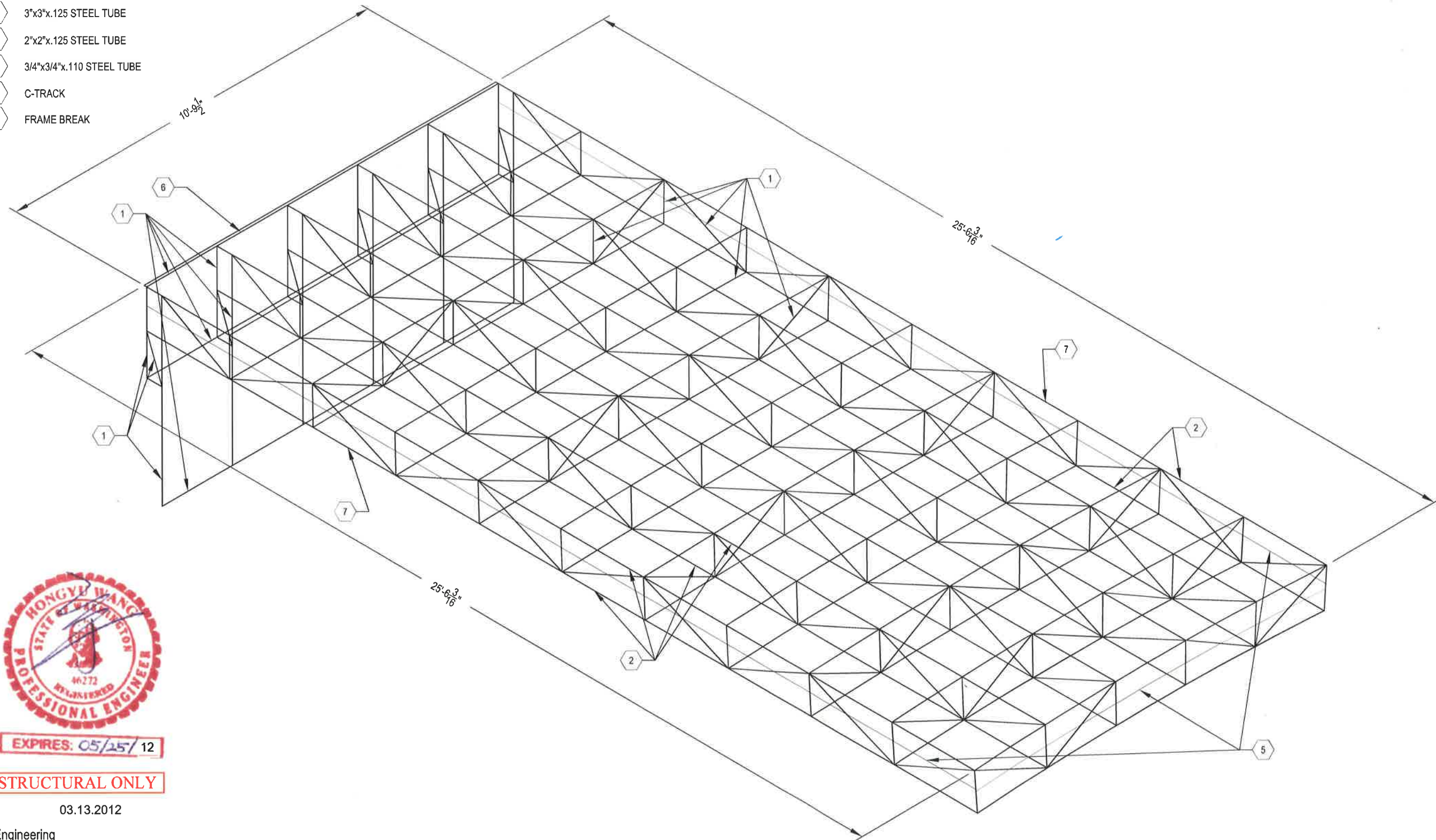
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WILLARD PARK
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LOADING DOCK REPAIR
 Job Name
LEFT ISO. VIEW
 Drawing Title
161627
 RI Work Order Number
IAN M
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MICHAEL BABBITT
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P1.20
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- 1 1"x1"x.110 STEEL TUBE
- 2 1"x2"x.125 STEEL TUBE
- 3 3"x3"x.125 STEEL TUBE
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- 7 FRAME BREAK



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Center Section Isometric A View

Scale: 3/8" = 1'-0"



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LOADING DOCK REPAIR

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CENTER ISO. VIEW

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161627

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P1.30

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LOADING DOCK REPAIR

Job Name

SECTION VIEWS

Drawing Title

161627

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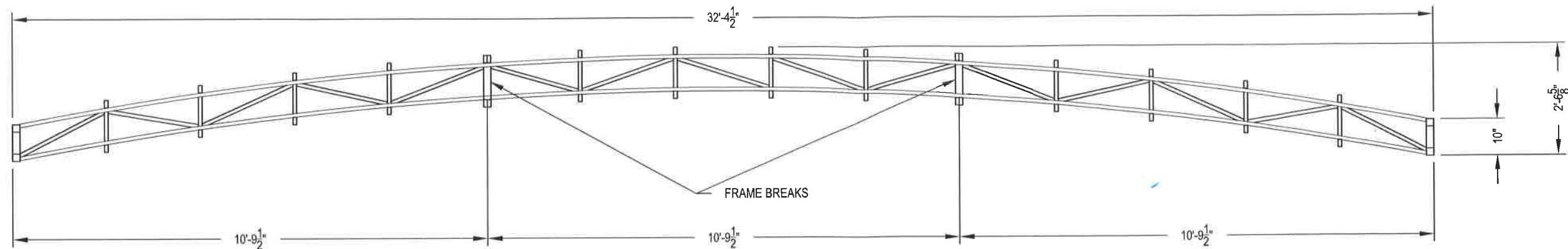
MICHAEL BABBITT

Project Manager

-- / --

Issue Date / By

P2.00
Sheet Number



A

Description: Front Cross Section

QTY: --

Scale: 3/8" = 1'- 0"

Material: Steel

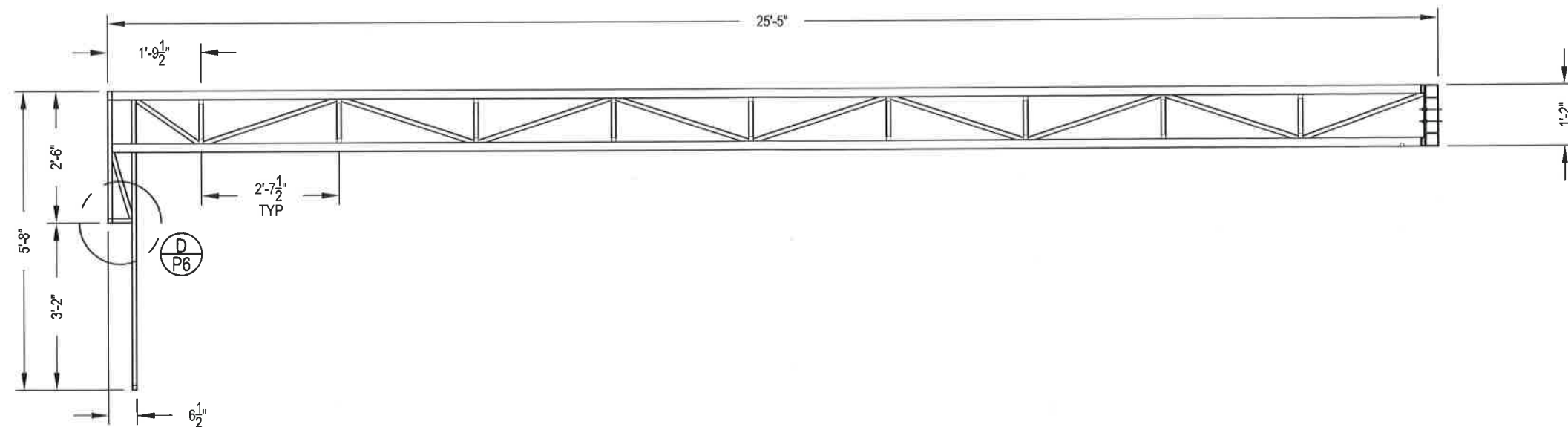


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B

Description: Side Cross Section

QTY: --

Scale: 3/8" = 1'- 0"

Material: Steel

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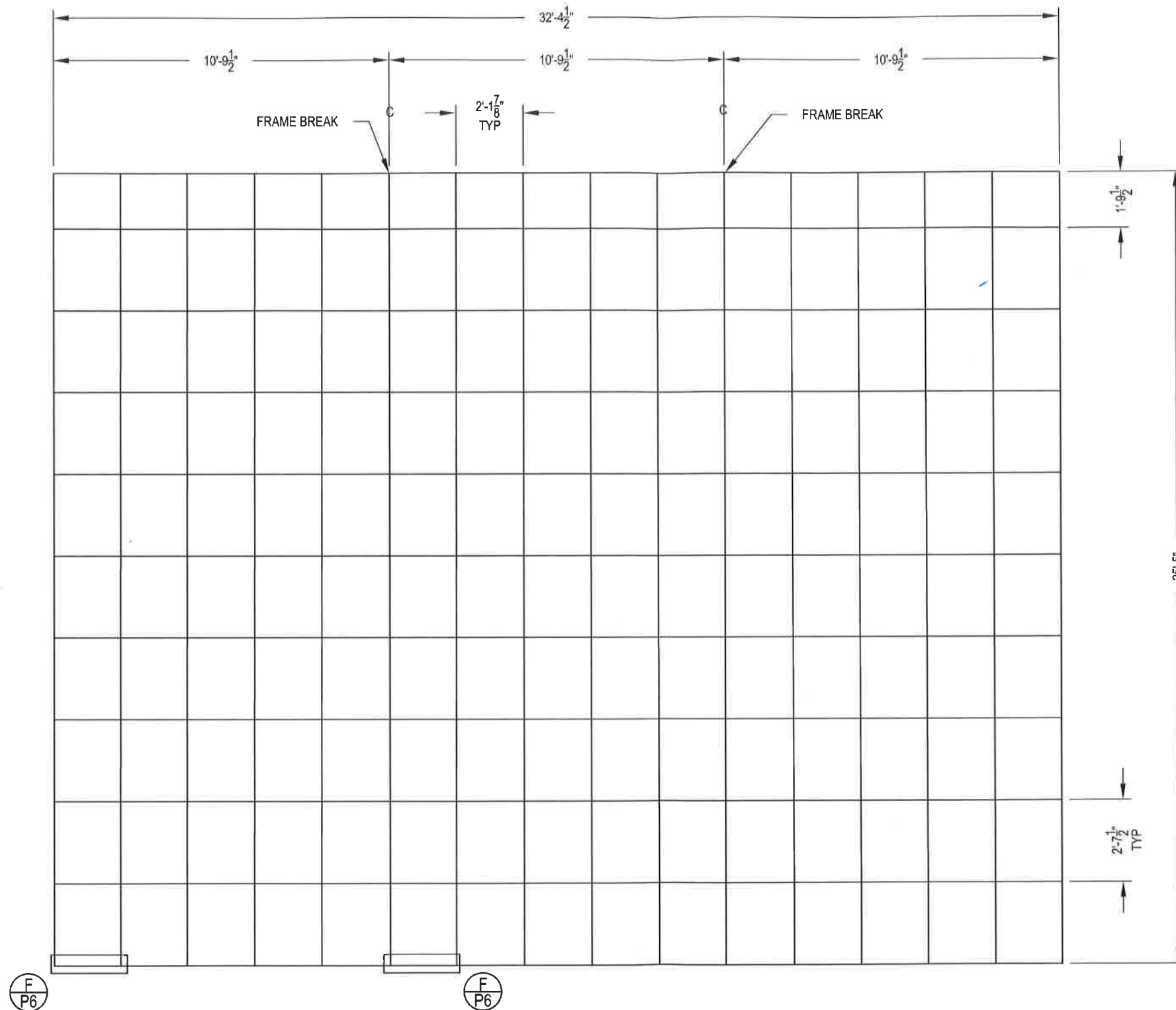
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Top View
Scale: 1/4" = 1'-0" (A)



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**CARILLON
PROPERTIES**
3240 CARILLON PT
KIRKLAND, WA
98033

Revisions

WILLARD PARK

Sales Person

LOADING DOCK REPAIR

Job Name

TOP VIEW

Drawing Title

161627

RI Work Order Number

IAN M

Drawn By

-- / --

Checked By / Date

MICHAEL BABBITT

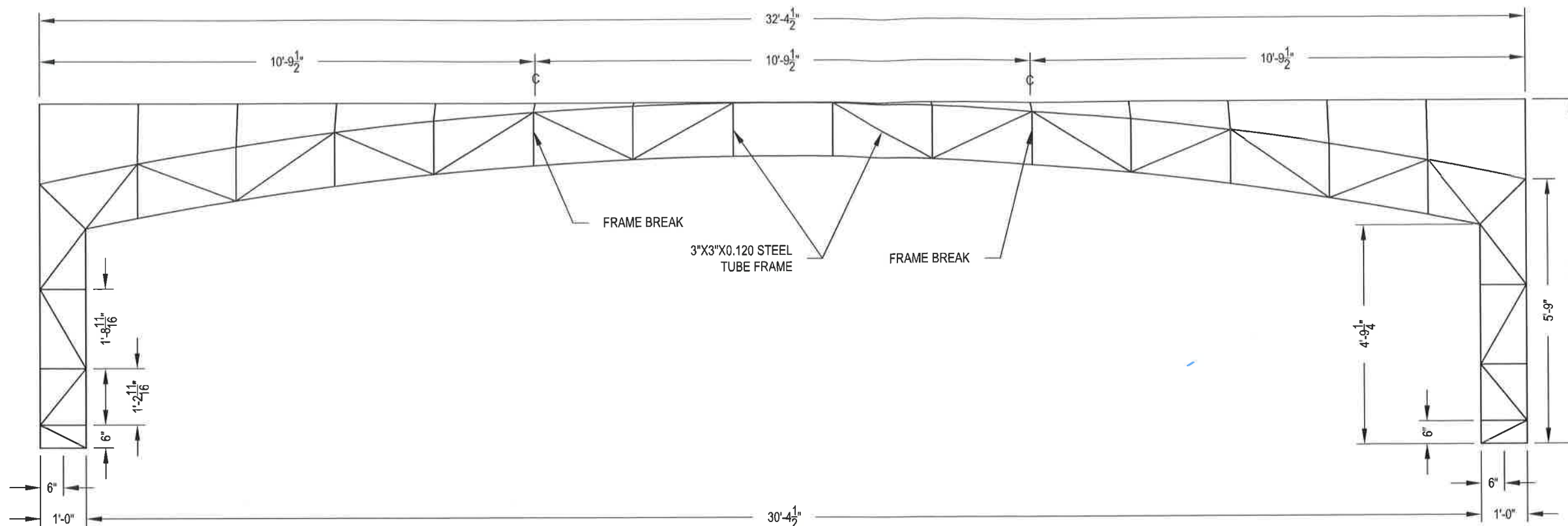
Project Manager

--- / ---

Issue Date / By

P3.00

Sheet Number



A

Description: Front View

QTY: --

Scale: 3/8" = 1'- 0"

Material: Steel



EXPIRES: 05/25/12

STRUCTURAL ONLY

03.13.2012

HW Engineering
Hongyu Wang, P.E., S.E.
10530 Hope Mills Drive
Las Vegas, NV 89135
Phone: 702-202-0061
Fax: 702-221-9962
Email:
hongyu@hwengineeringUSA.com
www.hwengineeringUSA.com

File Name: P:\DTS\DEVELOPMENT\Carillon Properties\161627 -Loading Dock Canopy\Drawing\161627, Rev 5.dwg



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PROPERTIES
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KIRKLAND, WA
98033**

Revisions

WILLARD PARK

Sales Person

LOADING DOCK REPAIR

Job Name

FRONT VIEW

Drawing Title

161627

RI Work Order Number

IAN M

Drawn By

-- / --

Checked By / Date

MICHAEL BABBITT

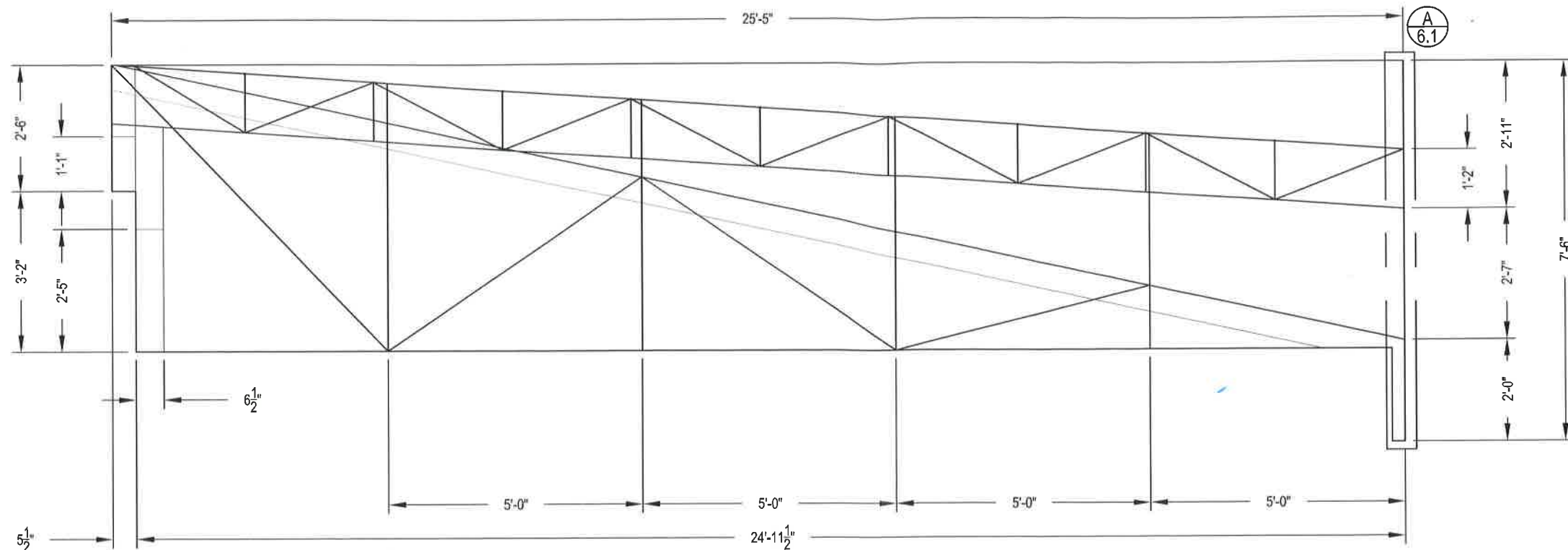
Project Manager

-- / --

Issue Date / By

P4.00

Sheet Number



A

Description: Left Side View

QTY: --

Scale: 3/8" = 1'- 0"

Material: Steel

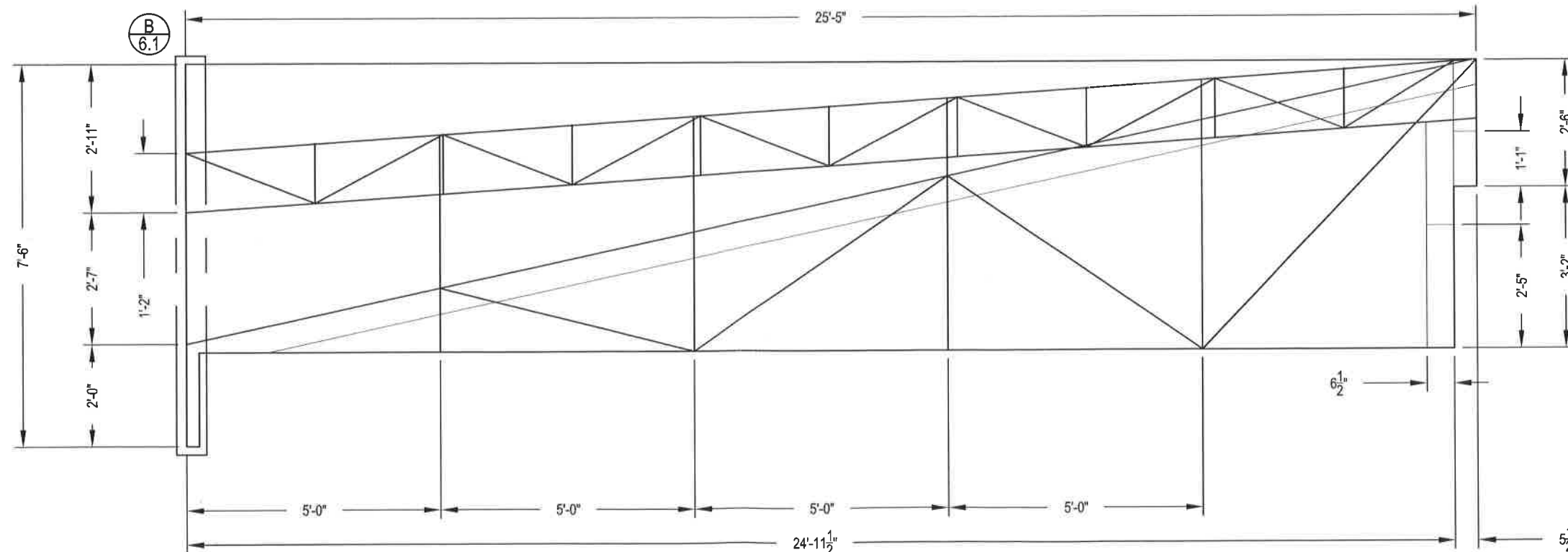


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B

Description: Right Side View

QTY: --

Scale: 3/8" = 1'- 0"

Material: Steel

File Name: P:\DTS\DEVELOPMENT\Carillon Properties\161627 -Loading Dock Canopy\Drawing\161627, Rev 5.dwg



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CARILLON

PROPERTIES

3240 CARILLON PT

KIRKLAND, WA

98033

Revisions

WILLARD PARK

Sales Person

LOADING DOCK REPAIR

Job Name

SIDE VIEWS

Drawing Title

161627

RI Work Order Number

IAN M

Drawn By

-- / --

Checked By / Date

MICHAEL BABBITT

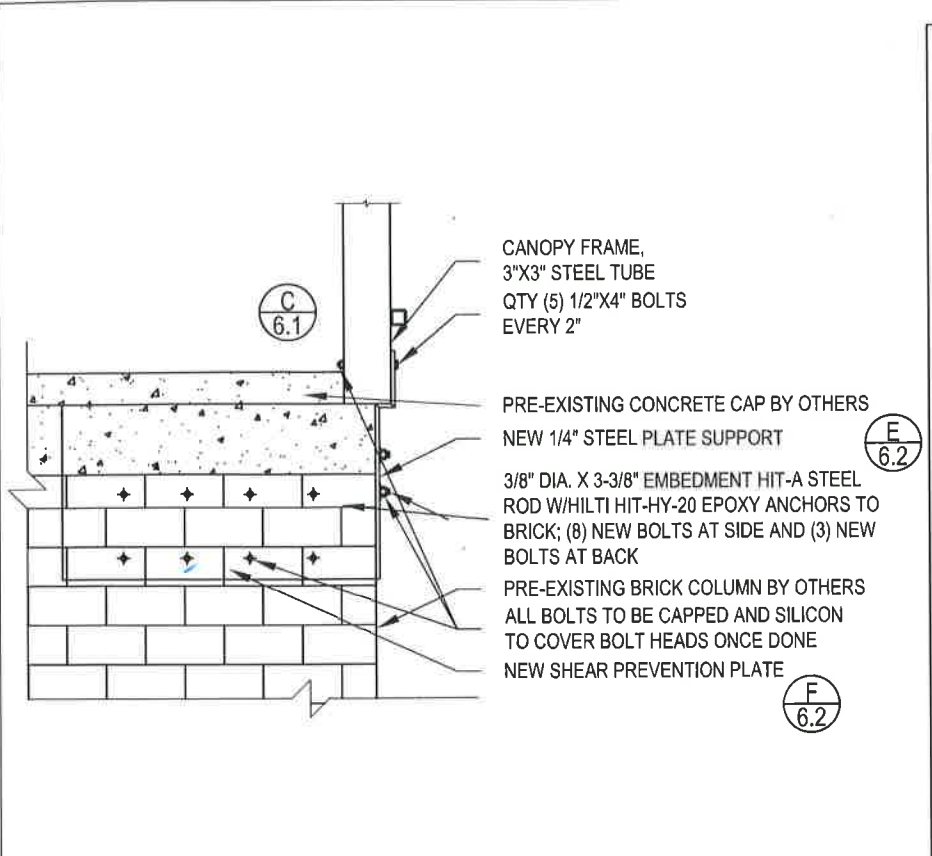
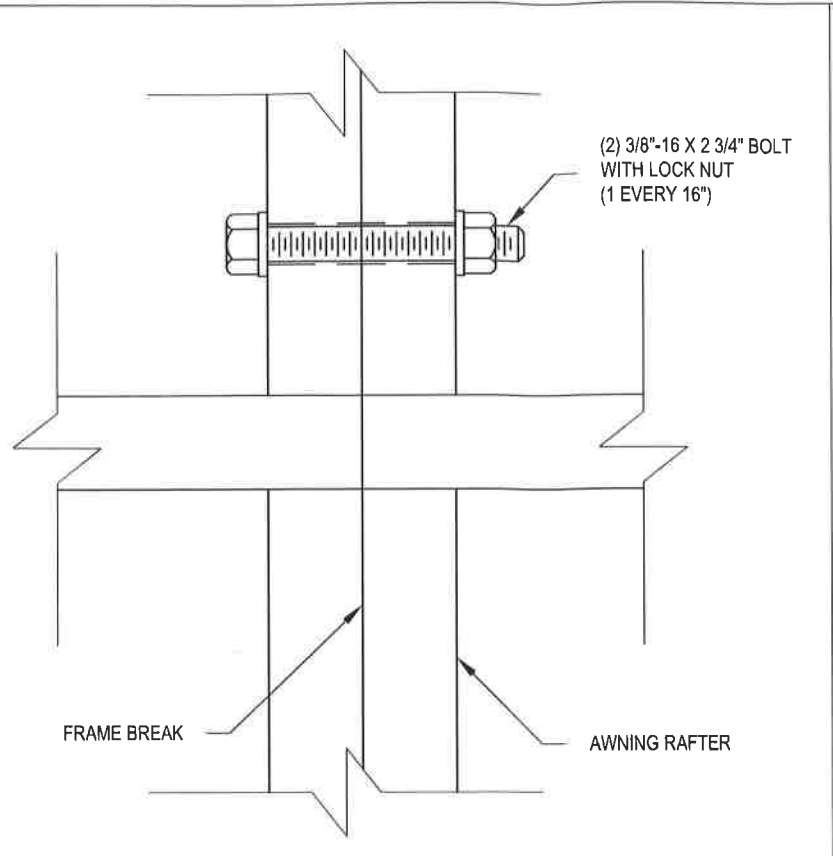
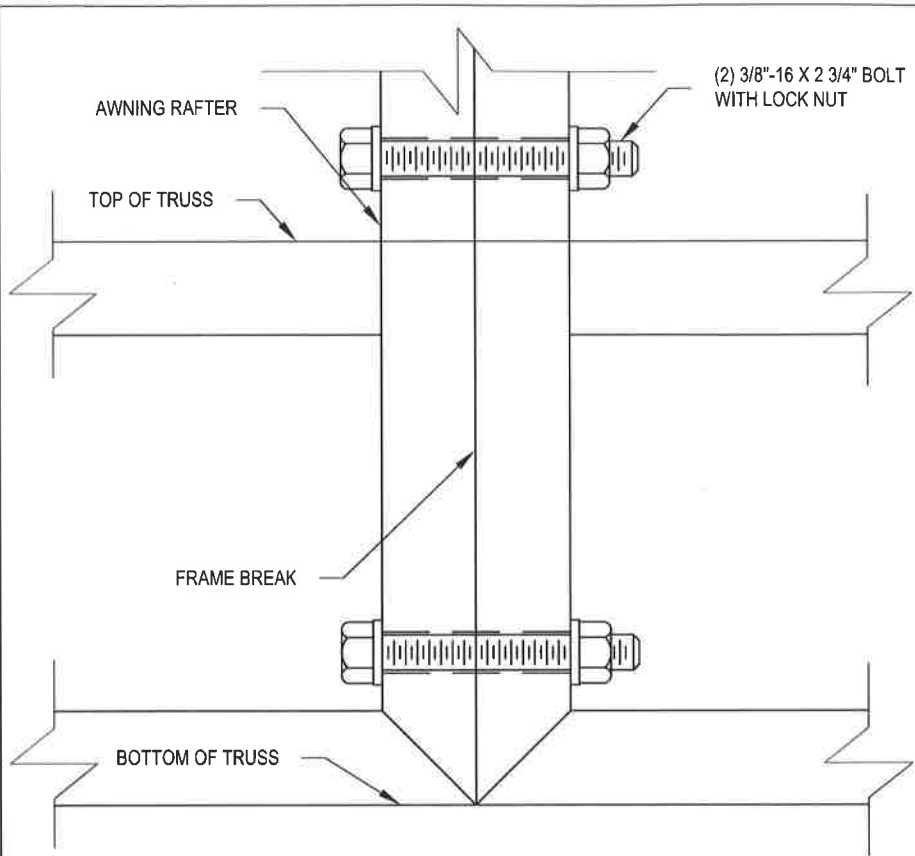
Project Manager

-- / --

Issue Date / By

P5.00

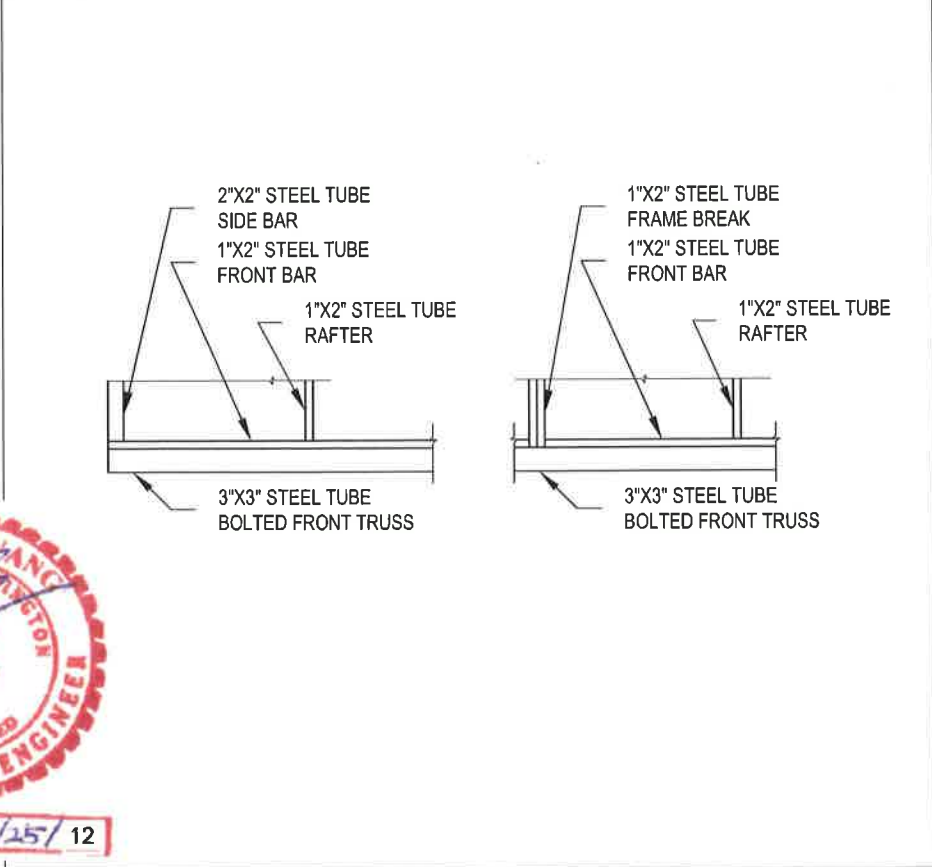
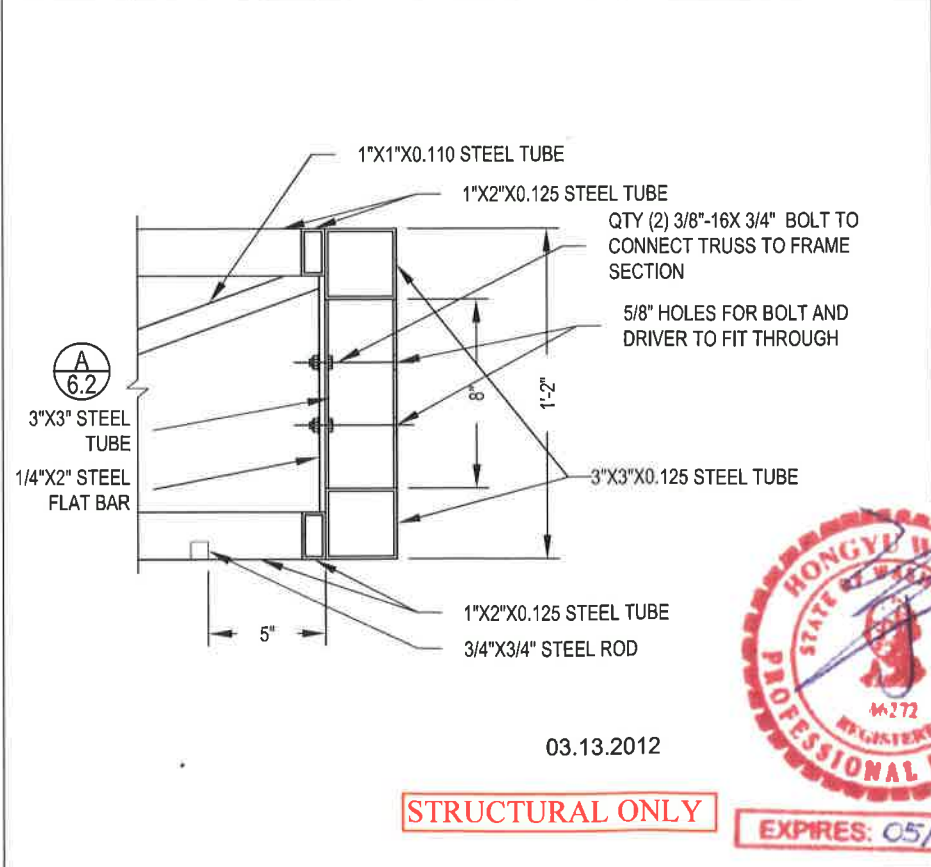
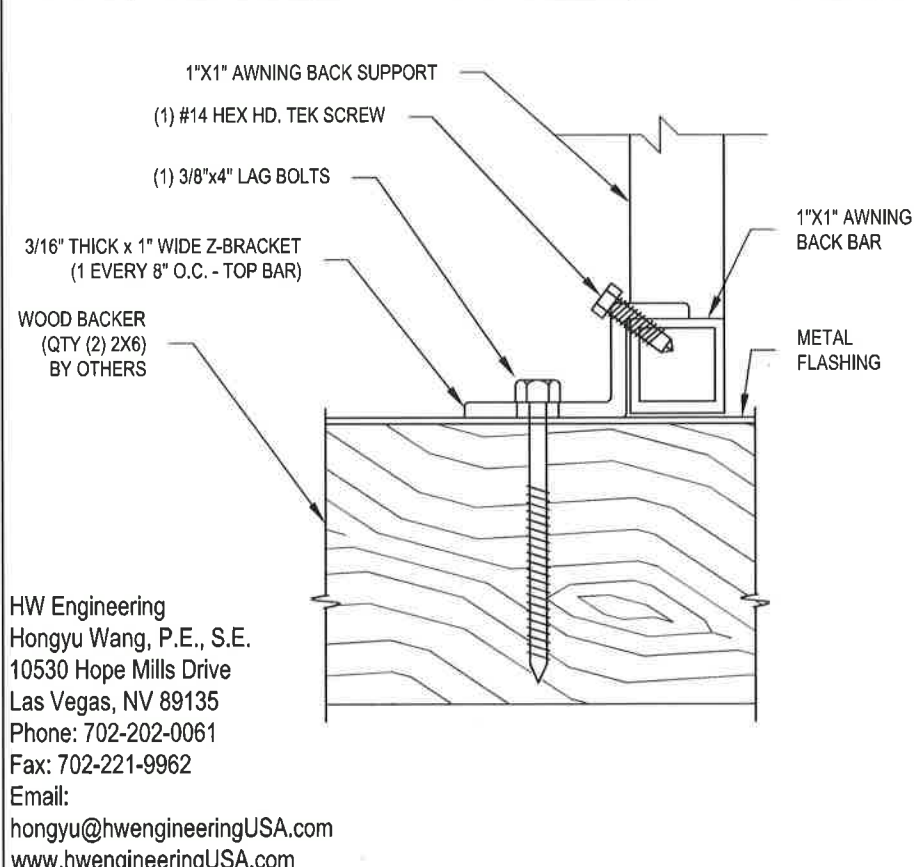
Sheet Number



A	Description: Through Bolting on Truss		
	QTY: --	Scale: 6" = 1'- 0"	Material: Steel

B	Description: Through Bolting on Frame		
	QTY: --	Scale: 6" = 1'- 0"	Material: Steel

C	Description: Truss Attachment Detail		
	QTY: 4	Scale: 1- 1/2" = 1'- 0"	Material:



D	Description: Rear Attachment Detail		
	QTY: --	Scale: 6" = 1'- 0"	Material: Wood

E	Description: Front Truss Attachment Detail		
	QTY: --	Scale: 1-1/2" = 1'- 0"	Material: Steel

F	Description: Rear Attachment Detail		
	QTY: --	Scale: 1/2" = 1'- 0"	Material: Steel



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3240 CARILLON PT
KIRKLAND, WA 98033

Revisions

WILLARD PARK
Sales Person
LOADING DOCK REPAIR
Job Name

DETAIL VIEWS
Drawing Title
161627
RI Work Order Number

IAN M
Drawn By
-- / --
Checked By / Date

MICHAEL BABBITT
Project Manager

-- / --
Issue Date / By

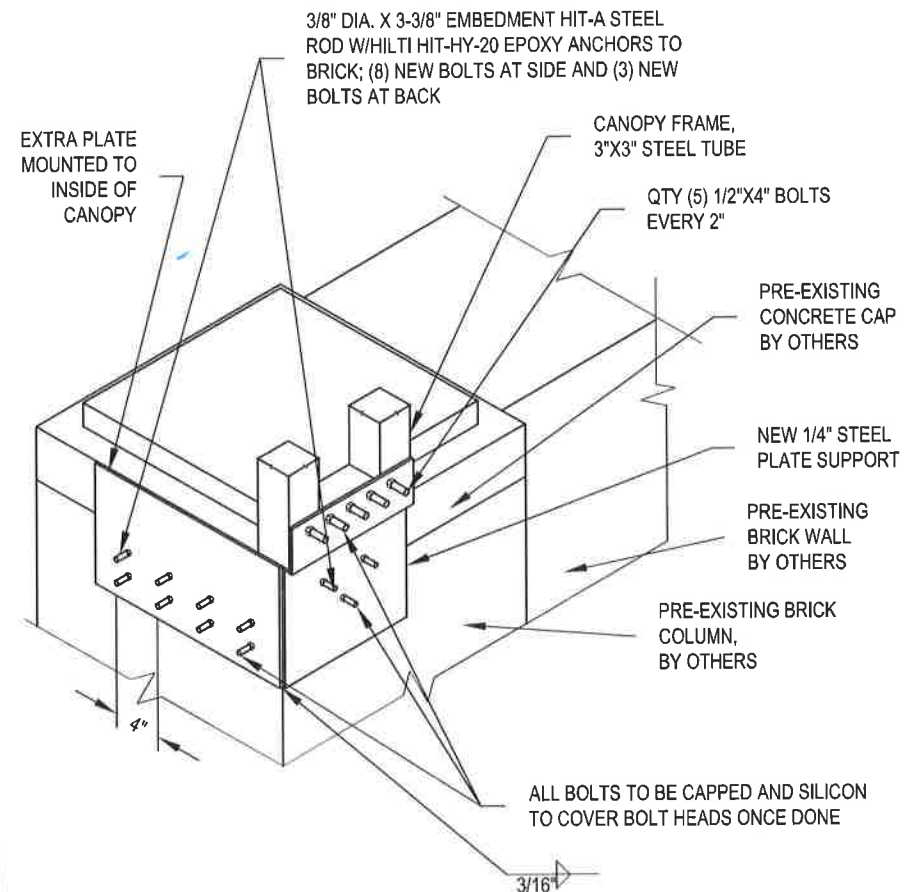
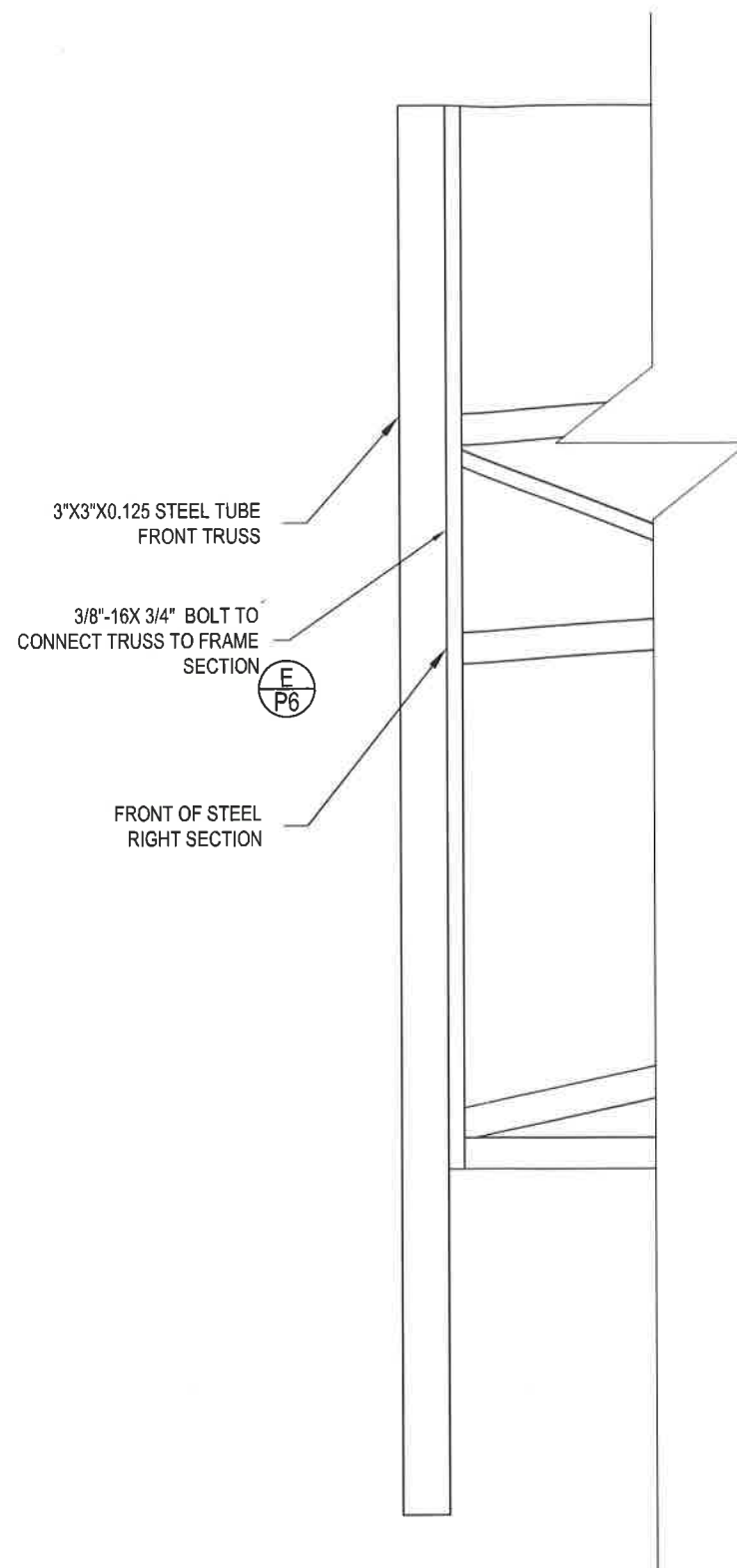
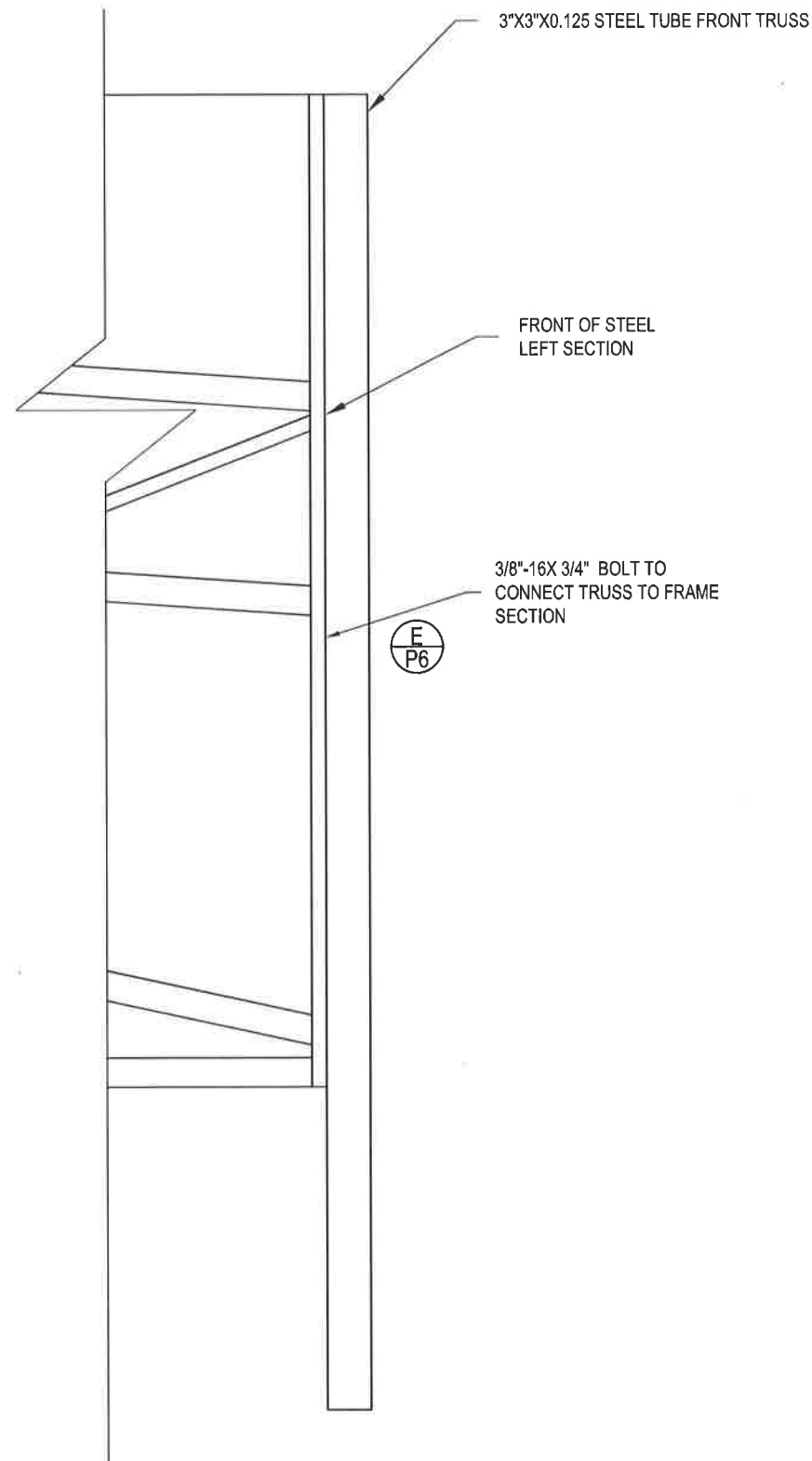
P6.00
Sheet Number



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Revisions

WILLARD PARK
Sales Person

LOADING DOCK REPAIR
Job Name

DETAIL VIEWS
Drawing Title

161627
RI Work Order Number

IAN M
Drawn By

-- / --
Checked By / Date

MICHAEL BABBITT
Project Manager

-- / --
Issue Date / By

P6.10
Sheet Number

A

Description: Left Front Truss Attachment

QTY: 1 Scale: 1" = 1'- 0" Material: Steel

B

Description: Right Front Truss Attachment

QTY: 1 Scale: 1" = 1'- 0" Material: Steel

C

Description: Isometric View of Column Attachment

QTY: 2 Scale: 3/4" = 1'- 0" Material: Brick



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Revisions

WILLARD PARK

Sales Person

LOADING DOCK REPAIR

Job Name

DETAIL VIEWS

Drawing Title

161627

RI Work Order Number

IAN M

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Checked By / Date

MICHAEL BABBITT

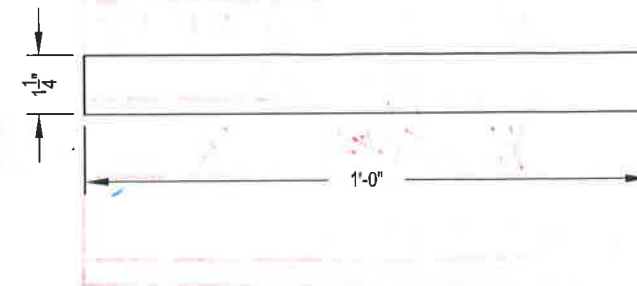
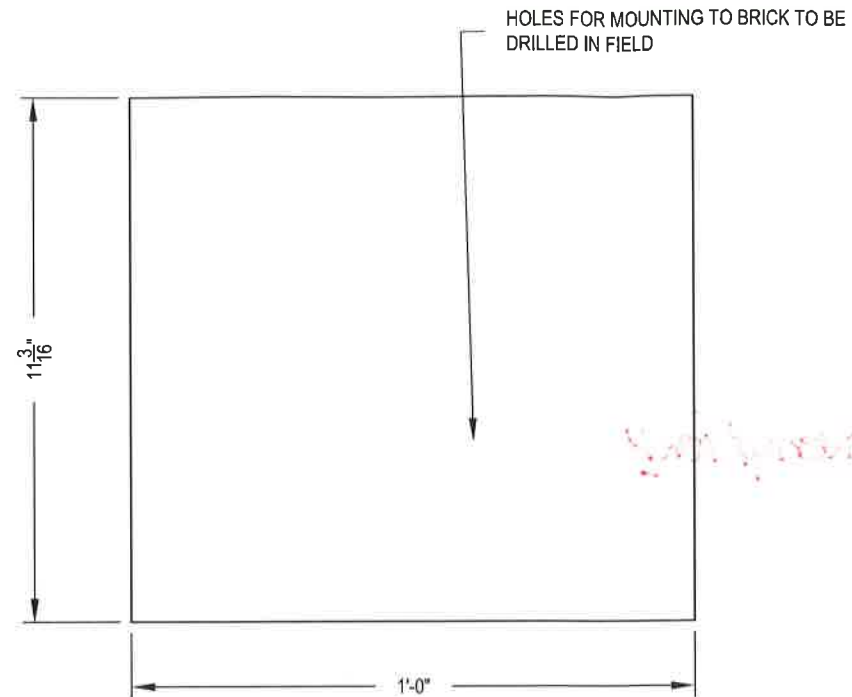
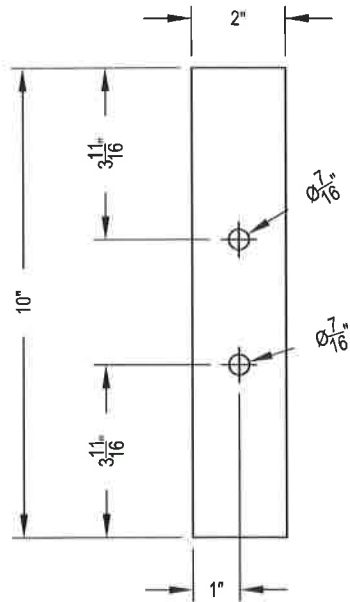
Project Manager

-- / --

Issue Date / By

P6.20

Sheet Number



A

Description: Front Truss Mounting set

QTY: 12

Scale: 3" = 1'- 0"

Material: 1/4" Steel

B

Description: Plate for Brick Attachment

QTY: 2

Scale: 3" = 1'- 0"

Material: 1/4" Steel

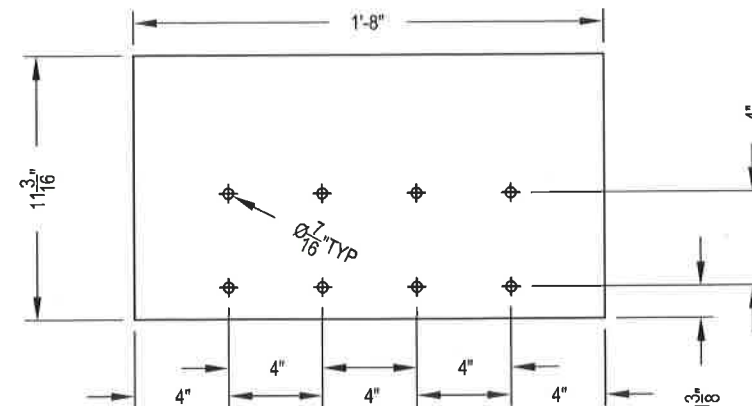
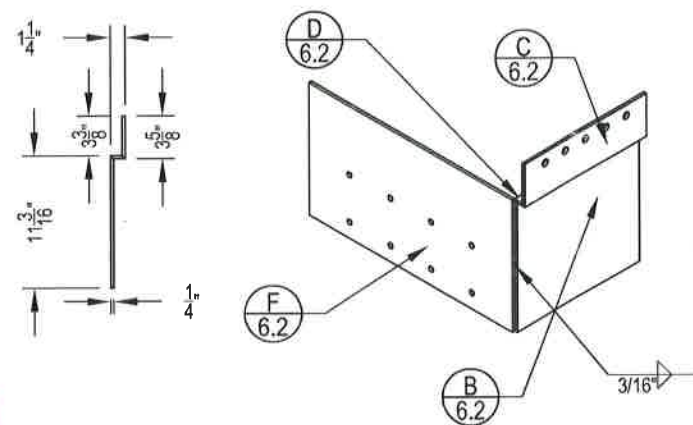
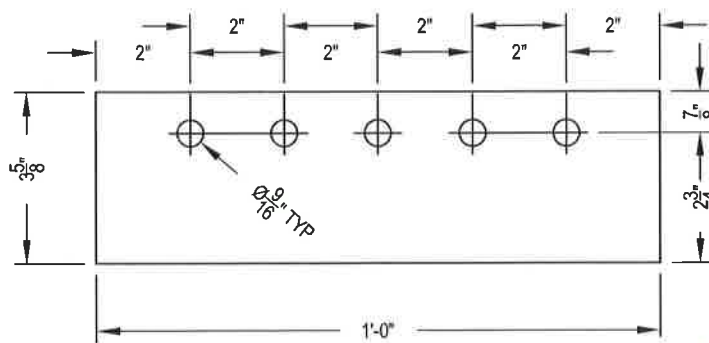
C

Description: Ledge for 3" x 3" Steel

QTY: 2

Scale: 3" = 1'- 0"

Material: 1/4" Steel



D

Description: Rear Attachment Plate for 3" x 3"

QTY: 2

Scale: 3" = 1'- 0"

Material: 1/4" Steel

E

Description: Assembled View of Mounting Plate

QTY: 2

Scale: 1-1/2" = 1'- 0"

Material: Steel

F

Description: Side Brick Attachment Plate

QTY: 2

Scale: 1-1/2" = 1'- 0"

Material: 1/4" Steel

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CITY OF KIRKLAND APPROVED FOR SUBMITTAL				
	Initials / Date	Exp	Type of Review	
			FT	Reg
Planning	<i>[Signature]</i> 6/22	X		
Planning	<i>TC</i> 4/22	X		
Public works	<i>TC</i> 4/22			

-SDP exemption?

NOTICE
HOURS OF WORK: 7AM TO 8PM MON-FRI
9AM TO 6PM SAT. NO WORK SUNDAYS &
HOLIDAYS (PER KZC SEC. 115.25)
Exceptions must be approved in
writing by Planning Official

REVIEWED
JUL 17 2012
CITY OF KIRKLAND
FIRE / BLDG

**CHECK
PARCEL
FLAG**

*BLDG
COPY*

POD *[Signature]*

CITY OF KIRKLAND BUILDING DEPARTMENT	
PERMIT #	BNR12-01682
ADDRESS	3240 CARILLON PT
WORK CLASS	REPAIR
PROJECT	
OWNER	CARILLON PROPERTIES W BLVD
DT SUBMITTED	06/22/2012
DT APPROVED	<i>[Signature]</i>
APPROVED BY	<i>[Signature]</i>